

P O L A R I S

AccuLite™

Decorative wall mounted
security lighting with
outdoor egress lighting





Architecturally Pleasing - Environmentally Smart



Energy efficiency, rugged construction and optical performance define the Polaris line of decorative security lighting. With a variety of wall sconces in dramatic geometrical shapes, Polaris is designed to accentuate building facades while providing functional lighting for enhanced security. Optional emergency lighting technology raises the versatility of these wall sconces to the next level.

- Energy efficient Compact Fluorescent or high performance HID
- Environmentally friendly full cut-off optics approved by the International Dark Sky Association
- Down light only for security applications or Up/Down optics for combined security and accent lighting
- Wet location listing ensures trouble free outdoor operation
- Easy installation with a built in level in the mounting plate
- Available with emergency lighting options for safe egress during power outages

Polaris - Accent Lighting



ACCENT LIGHTING

Polaris decorative wall sconces are ideal for accent lighting of building facades. With optional Up/Down optics, Polaris not only provides useful security down light, but also highlights architectural features on buildings and arches.



EMERGENCY LIGHTING

When supplied with one of several available egress lighting options, Polaris wall sconces become a safety device designed to assist in the safe evacuation of buildings during a power outage.

Polaris wall sconces can be supplied with an emergency ballast for compact fluorescent lamps, MR11 lamps powered by a remote battery or quartz lamps powered by a 120V emergency power source.

Polaris - Packed with Features

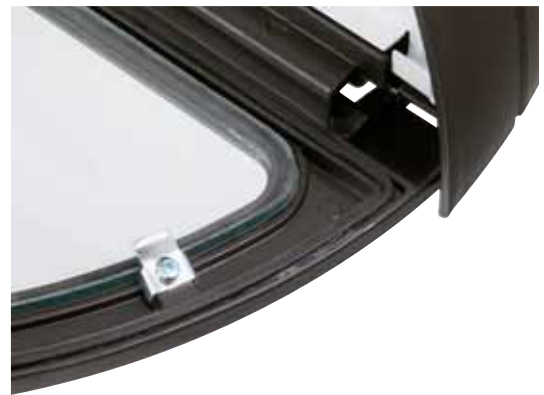


“EASY INSTALL” MOUNTING BRACKET

The Polaris “Easy Install” mounting bracket has a built in spirit level to speed installation. Once the bracket is mounted straight on the wall, the fixture simply slips on to the bracket for a perfect alignment. Two concealed screws safely secure the fixture to the bracket.

WEATHER PROOF DESIGN

The Polaris lens features a weather tight silicone rubber gasket which is secured with mechanical clips and screws. The door is hinged and recessed with a water shedding design that prevents water from coming into the fixture.



SPECIFICATION GRADE CONSTRUCTION

Die cast aluminum components, a full width door hinge, stainless steel external hardware, powder coated finish and premium sockets make these sconces rugged and durable.

UL Listed (US & Canada), Wet Location
International Dark Sky Association approved full cut-off

Polaris - Emergency Lighting



Emergency Lighting Requirements

Outdoor emergency illumination is designed to allow occupants of a building to get out to a safe distance away from the building in case of an emergency. Polaris decorative wall sconces can be supplied with three different emergency lighting options, giving the designers the freedom to choose the emergency lighting technology that best suits the building's technology.

Compact Fluorescent Emergency Ballast

In the event of a power failure, the installed emergency ballast can operate one compact fluorescent lamp from an internal battery. This option makes the Polaris wall sconce a fully functional, independent emergency fixture.

Two lamp wall Polaris sconces can be supplied with either dedicated or dual function emergency lamps.

Dedicated lamp Polaris sconces feature one lamp dedicated solely to emergency lighting and the second lamp dedicated to normal operation. Sconces with a dual function lamp allow both lamps to serve the function of general illumination, then switch the pre-selected dual function lamp to emergency lighting when there is a power failure.

The lamp in single lamp luminaires serves the dual functions of general illumination and emergency lighting when there is a power failure.

12VDC MR11 Emergency Circuit

Polaris can be supplied with a separate emergency circuit for either one or two 12V 35W MR11 lamps. These MR11 lamps can be aimed in the field to best suit the emergency lighting needs. Powered by a remote emergency power source (supplied by others) these emergency lamps switch on when there is a power outage.

120VAC Emergency Circuit

When a 120VAC emergency power source is available in the building, Polaris wall sconces can be supplied with a separate circuit with sockets for double contact, bayonet base quartz lamps (lamps not supplied).

Polaris - Auxiliary Lighting



AUXILIARY LIGHTING FOR HID

Operating from the same power source that feeds the standard HID lamps, a socket for Quartz auxiliary lamps is supplied with either cold start/hot restrike or hot restrike circuitry to provide reduced auxiliary illumination.

Cold Start/Hot Restrike Quartz Auxiliary

Cold Start/Hot Restrike circuitry switches on the quartz lamp at initial start up of the Polaris sconce or as soon as power is restored after a power outage. The quartz lamp switches off when the HID lamp reaches 70% of full light output.

Hot Restrike Quartz Auxiliary

Hot Restrike circuitry operates when the HID lamp extinguishes during a brief power interruption. The Quartz lamp turns on as soon as power is restored and shuts off as soon as the HID lamp restrikes.

Polaris

Wide Beam - Downlighting



DS - Quarter Sphere



DZ - Truncated Sphere



DR - Half Round



DT - Trapezoid



ORDERING INFORMATION

| DR | 100PS | -QT | | -L -PC |
|----------------------|--|--|---|---|
| Series | Lamp Watts | Ballast Volts | Optics | Options |
| Down Lighting | Pulse Start Metal Halide | Metal Halide | Downlighting | Lamp |
| DR Half-Round | ED17, medium base lamp | Pulse Start Metal Halide | Wide Throw optics have been tested by the International Dark Sky Association and have received the IDA Seal of Approval as Dark Sky certified full cut-off luminaires | - L Clear H.I.D. - CL Coated H.I.D. By others Compact Fluorescent lamp |
| DT Trapezoid | 50PS 50W 70PS 70W | High Pressure Sodium | | Photocontrol |
| DS Quarter Sphere | 100PS 100W 150PS 150W | Magnetic Ballast | | - PC On Multi-Tap ballasts replace "-QT" & "-TT" with the line voltage suffix Maximum 347V |
| DZ Truncated Sphere | Probe Start Metal Halide | 35W and 50 HPS lamps | Wide Throw | Frosted Lens |
| | BD17, medium base lamp | Single Voltage | No suffix <u>One or two lamps</u> Full Cut-Off, IDA listed | - FG Frosted glass bottom lens |
| | 175MH 175W | -120 120V -277 277V -347 347V | | Tamper Resistant Hardware |
| | High Pressure Sodium | 50W thru 175W MH lamps 70W thru 150W HPS lamps | | - TP Tamper resistant screws supplied |
| | B17, medium base lamp | Multi-Tap ballasts | | Emergency Lighting |
| | 35HP 35W 50HP 50W 70HP 70W 100HP 100W 150HP 150W | -QT Quad-Tap 120/208/240/277V | | Emergency Ballast, Dual Function Lamp† Specify line voltage, 120V or 277V available For use with one or two CF lamps |
| | Compact Fluorescent | -TT Tri-Tap 120/277/347V | | - EMB Minimum 0°C - EMX Minimum -20°C |
| | CFTR(watts)W/GX24Q lamp | 100W thru 175W HID lamps | | Emergency Ballast, Dedicated Emergency Lamp† Specify line voltage, 120V or 277V available For use with two CF lamps |
| | 26CF 1 X 26W 32CF 1 X 32W 42CF 1 X 42W | Single Voltage | | - EMBD Minimum 0°C - EMXD Minimum -20°C |
| | 226CF 2 X 26W 232CF 2 X 32W 242CF 2 X 42W | -480 480V | | Emergency Circuit, 120V - Quartz Lamp For use with HID & CF luminaires |
| | | Compact Fluorescent | | - ES Socket only, for external 120V emergency power supply |
| | | Electronic Ballast | | Emergency Circuit, 12V - MR11 Halogen Lamp For use with HID & CF luminaires Field amiable 2 pin G4 base MR11 lamp(s) supplied, 35W - 12V DC |
| | | -UN 120V/277V -E12 120V -E27 277V -E34 347V | | - DC12 With one MR11 lamp - 2DC12 With two MR11 lamps |
| | | | | Auxiliary Quartz Lighting for HID Luminaires Double contact, bayonet base quartz lamp Quartz lamp should not exceed wattage of HID lamp. For 35W - 100W use 100W quartz lamp. Quartz lamp not included. |
| | | | | - Q Cold Start/Hot Restrike - HQ Hot Restrike only |
| | | | | Color |
| | | | | No suffix Bronze (Standard) -BL Black -WH White |

† See page 4 for full description.

Polaris

Forward Throw - Downlighting



DS - Quarter Sphere



DR - Half Round



DZ - Truncated Sphere



DT - Trapezoid

ORDERING INFORMATION

| DR | 100PS | -QT | -FT | -L -PC |
|----------------------|--|--|--|--|
| Series | Lamp Watts | Ballast Volts | Optics | Options |
| Down Lighting | Pulse Start Metal Halide | Metal Halide | Downlighting | Lamp |
| DR Half-Round | ED17, medium base lamp | Pulse Start Metal Halide | Forward Throw optics have been tested by the International Dark Sky Association and have received the IDA Seal of Approval as Dark Sky certified full cut-off luminaires | - L Clear H.I.D. - CL Coated H.I.D. By others Compact Fluorescent lamp |
| DT Trapezoid | 50PS 50W 70PS 70W | High Pressure Sodium | | Photocontrol |
| DS Quarter Sphere | 100PS 100W 150PS 150W | Magnetic Ballast | | - PC On Multi-Tap ballasts replace "-QT" & "-TT" with the line voltage suffix Maximum 347V |
| DZ Truncated Sphere | Probe Start Metal Halide | 35W and 50 HPS lamps | Forward Throw | Frosted Lens |
| | BD17, medium base lamp | Single Voltage | -FT <u>Single lamp only</u> | - FG Frosted glass bottom lens |
| | 175MH 175W | -120 120V -277 277V -347 347V | Full Cut-Off, IDA listed | Tamper Resistant Hardware |
| | High Pressure Sodium | 50W thru 175W MH lamps 70W thru 150W HPS lamps | | - TP Tamper resistant screws supplied |
| | B17, medium base lamp | Multi-Tap ballasts | | Emergency Lighting |
| | 35HP 35W 50HP 50W 70HP 70W 100HP 100W 150HP 150W | -QT Quad-Tap 120/208/240/277V | | Emergency Ballast, Dual Function Lamp† Specify line voltage, 120V or 277V available, for use with CF lamps |
| | Compact Fluorescent | -TT Tri-Tap 120/277/347V | | - EMB Minimum 0°C - EMX Minimum -20°C |
| | CFTR(watts)W/GX24Q lamp | 100W thru 175W HID lamps | | Emergency Circuit, 120V - Quartz Lamp For use with HID & CF luminaires |
| | 26CF 1 X 26W 32CF 1 X 32W 42CF 1 X 42W | Single Voltage | | - ES Socket only, for external 120V emergency power supply |
| | | -480 480V | | Emergency Circuit, 12V - MR11 Halogen Lamp For use with HID & CF luminaires |
| | | Compact Fluorescent | | Field amiable 2 pin G4 base MR11 lamp 35W lamp(s) supplied, 12V DC supply |
| | | Electronic Ballast | | - DC12 With one MR11 lamp - 2DC12 With two MR11 lamps |
| | | -UN 120V/277V -E12 120V -E27 277V -E34 347V | | Auxiliary Quartz Lighting for HID Luminaires Double contact, bayonet base quartz lamp Quartz lamp should not exceed wattage of HID lamp. For 35W - 100W use 100W quartz lamp. Quartz lamp not included. |
| | | | | - Q Cold Start/Hot Restrike - HQ Hot Restrike only |
| | | | | Color |
| | | | | No suffix Bronze (Standard) -BL Black -WH White |

† See page 4 for full description.

Polaris

Up / Downlighting



DZ - Truncated Sphere



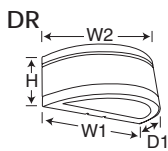
DR - Half Round

ORDERING INFORMATION

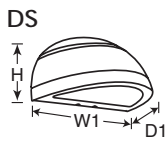
| DR | 100PS | -QT | -UD | -L -PC |
|----------------------|--|--|---|---|
| Series | Lamp Watts | Ballast Volts | Optics | Options |
| Down Lighting | Pulse Start Metal Halide ED17, medium base lamp | Metal Halide Pulse Start Metal Halide High Pressure Sodium Magnetic Ballast | Up-Down Lighting -UD Two way optic 12-1/2% uplight | Lamp - L Clear H.I.D. - CL Coated H.I.D. By others Compact Fluorescent lamp |
| DR Half-Round | 50PS 50W 70PS 70W 100PS 100W 150PS 150W | 35W and 50 HPS lamps Single Voltage -120 120V -277 277V -347 347V | | Photocontrol - PC On Multi-Tap ballasts replace "-QT" & "-TT" with the line voltage suffix Maximum 347V |
| DZ Truncated Sphere | Probe Start Metal Halide BD17, medium base lamp 175MH 175W | 50W thru 175W MH lamps 70W thru 150W HPS lamps Multi-Tap ballasts -QT Quad-Tap 120/208/240/277V -TT Tri-Tap 120/277/347V | | Frosted Lens - FG Frosted glass bottom lens |
| | High Pressure Sodium B17, medium base lamp 35HP 35W 50HP 50W 70HP 70W 100HP 100W 150HP 150W | 100W thru 175W HID lamps Single Voltage -480 480V | | Tamper Resistant Hardware - TP Tamper resistant screws supplied |
| | Compact Fluorescent CFTR(watts)W/GX24Q lamp 26CF 1 X 26W 32CF 1 X 32W 42CF 1 X 42W 226CF 2 X 26W 232CF 2 X 32W 242CF 2 X 42W | Compact Fluorescent Electronic Ballast -UN 120V/277V -E12 120V -E27 277V -E34 347V | | Emergency Lighting Emergency Circuit, 120V - Quartz Lamp for use with HID & CF luminaires - ES Socket only, for external 120V emergency power supply |
| | | | | Emergency Circuit, 12V - MR11 Halogen Lamp For use with HID & CF luminaires Field amiable 2 pin G4 base MR11 lamp 35W MR11 lamp(s) supplied, 12V DC supply - DC12 With one MR11 lamp - 2DC12 With two MR11 lamps |
| | | | | Auxiliary Quartz Lighting for HID Luminaires Double contact, bayonet base quartz lamp Quartz lamp should not exceed wattage of HID lamp. For 35W - 100W use 100W quartz lamp. Quartz lamp not included. - Q Cold Start/Hot Restrike - HQ Hot Restrike only |
| | | | | Color No suffix Bronze (Standard) -BL Black -WH White |

DIMENSIONS

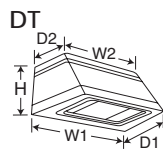
| | W1 Width @ Bottom | W2 Width @ Top | D1 Depth @ Bottom | D2 Depth @ Top | H Height |
|-----------|----------------------|-------------------|----------------------|-------------------|-------------|
| DR Series | 18 1/8" | 17 3/4" | 9 1/4" | - | 7 1/8" |
| DS Series | 18 3/8" | - | 9 1/4" | - | 9 1/8" |
| DT Series | 16 3/4" | 14 3/4" | 9 1/4" | 5 1/2" | 7 1/8" |
| DZ Series | 18" | 16 1/2" | 9" | 6 7/8" | 9 1/8" |



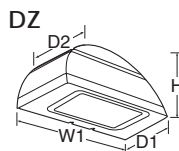
Weight
22 lb. (10 kg)



Weight
21 lb. (9.5 kg)

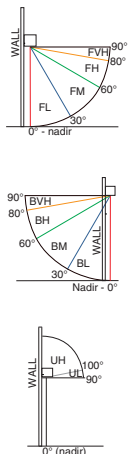
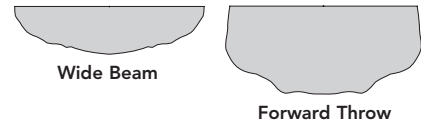


Weight
21 lb. (9.5 kg)



Weight
21 lb. (9.5 kg)

Polaris - Fixture Performance



| Optical Assembly | Wide Throw | Forward Throw | Up/Down |
|---------------------------|------------|---------------|---------|
| Lamp | 175MH | 175MH | 175W MH |
| Lamp Lumens | 11,700 | 11,700 | 11,700 |
| Forward Light | | | |
| Luminaire Lumens | 4,354 | 6,021 | 2,820 |
| % Lamp Lumens | 37.2% | 51.5% | 24.1% |
| Low FL (0° - 30°) | 7.7% | 10.7% | 5.2% |
| Mid FM (30° - 60°) | 27.6% | 33.1% | 13.6% |
| High FH (60° - 80°) | 1.9% | 7.5% | 5.3% |
| Very High FVH (80° - 90°) | 0.1% | 0.1% | 0.1% |
| Back Light | | | |
| Luminaire Lumens | 4,091 | 2,960 | 2,257 |
| % Lamp Lumens | 35.0% | 25.3% | 19.3% |
| Low BL (0° - 30°) | 7.8% | 8.7% | 5.2% |
| Mid BM (30° - 60°) | 25.1% | 15.0% | 11.9% |
| High BH (60° - 80°) | 2.1% | 1.5% | 2.0% |
| Very High BVH (80° - 90°) | 0.1% | 0.1% | 0.1% |
| Up Light | | | |
| Luminaire Lumens | 0 | 0 | 725 |
| % Lamp Lumens | 0.0% | 0.0% | 6.2% |
| Low UL (90° - 100°) | 0.0% | 0.0% | 0.1% |
| High UH (100° - 180°) | 0.0% | 0.0% | 6.1% |
| Trapped Light | | | |
| Luminaire Lumens | 3,256 | 2,719 | 5,898 |
| % Lamp Lumens | 27.8% | 23.2% | 50.4% |





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Architectural Linear Lighting

1300 S. Wolf Road • P.O. Box 5065 • Des Plaines, IL 60017-5065
PHONE 847.827.9880 • FAX 847.827.2457 • junolightinggroup.com

Regional Offices & Warehouses:
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LIT-ACCU-ARCHWALL



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